

# VARUN KUMAR

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## Objective

Seeking a challenging role where I can leverage my AI/ML development and cloud infrastructure expertise to drive scalable solutions.

## Summary

- Highly skilled software developer with 6 years of experience in **AI/ML solutions development and cloud technologies**.  
Proficient in **PyTorch**, keras with hands-on experience in AI model optimization.  
Proficient in Python Flask, Curses, Jinja, **Terraform**, **Ansible**, **AWS**, MongoDB, and Test-Driven Development (TDD).  
Experienced in developing scalable **frameworks**, VSCode plugins.  
Adept at version control using **Git** and project management with **JIRA**.  
Comfortable in both **Windows** and **Linux** environments with a strong problem-solving mindset.

## Experience And Projects

- Intel Corporation** Sept 2021 - Present  
Software Development Engineer  
**AI/ML Model Development:** Developed end-to-end solution of AI/ML models for resume screening, enhancing accuracy by 25% through **LangChain**.  
**Framework Development:** Architected a PDK models validation framework using Python, Pytest achieving a **50X** TAT reduction and facilitating Intel's **IDM 2.0** readiness.  
**Testing Automation:** Used LLM to develop mutation of test of existing framework, boosting test coverage and reliability.  
**Monitoring Tool:** Built a real-time **HPC** job monitoring system using Python Flask and Curses, improving operational efficiency. Provided chatbot to interact with running job status.  
**Intel Trust Authority:** Developed a SaaS solution ensuring secure computing attestation by implementing robust API services and integrating scalable back-end systems.
- Avanseus Technology** April 2020 - Sept 2021  
Software Engineer  
**Data Processing Automation:** Developed **Java-based** data-loading modules for MongoDB, **automating** large-scale data ingestion.  
**API Development:** Designed REST APIs to interface with **MongoDB** collections, enabling seamless data access and manipulation.
- Accenture** Aug 2019 - March 2020  
Associate Software Engineer  
**Data Analysis:** Conducted customer data analysis using **NoSQL** databases, generating actionable business insights.  
**Query Optimization:** Optimized complex database queries, reducing data retrieval times by 40%.

## Technical Proficiency

- **Machine Learning and AI:** Supervised and unsupervised learning, ANN, CNN, RNN, Keras, PyTorch
- **Programming:** Python, Flask, Curses, Java, REST APIs, Pytest, Jinja2, numpy, pandas
- **Cloud & DevOps:** Terraform, Ansible, AWS
- **Database:** MongoDB
- **Tools & Platforms:** Git, JIRA, VSCode, Linux, Windows

## Achievements & Awards

- Received DRA, Technology and Innovation Award and several recognitions for excellent performance in various projects.
- Submitted several project ideas as IDFs for patents.
- Recognized as an Instructor in Intel University for technical mentoring.

## Education

- **Jss academy of technical education Bangalore (VTU)** 2015-2019  
BE/BTech in Computer science and engineering  
CGPA - 8.47
- **Seshadripuram PU college Bangalore (main)** 2013-2015  
PCMC/2nd PUC  
Percentage - 90.8
- **Sree Ayyappa Education centre Bangalore (CBSE)** 2013  
10th  
CGPA - 9.8

## Personal Skills

- ➤ Strong motivational and leadership skill.
- ➤ Ability to produce best result in pressure situation.
- ➤ Good communication skill.
- ➤ Ability to work individually as well as in group.

## Personal Profile

- Name : Varun Kumar  
DOB : 17-01-1998  
Gender: Male  
Languages : English, Hindi, Kannada

## Declaration

- I hereby declare that above stated details are true to the best of my knowledge.

Date :  
Place : Bangalore